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LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT VICTORIA, FEBRUARY 1987

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INQUIRIES

Inquiries concerning these statistics may be made by telephoning Information Services (Labour Force Statistics) on Melbourne (03) 615 7000; for advice on the interpretation of these statistics ask for John Camfield.

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EXPLANATORY NOTES

Introduction

The monthly Population Survey comprises the monthly labour force survey and supplementary topics. This publication contains results of a supplementary survey run in association with the February 1986 labour force survey conducted throughout Australia.

2. Respondents to the labour force survey who fell within the scope of the supplementary survey were asked additional questions. This subset of respondents was asked about their highest educational qualifications. For persons with post-school qualifications, the information sought included field of study, and for those who did not complete their schooling, it included the age at which they left school.

Scope

3. The scope of this supplementary survey was the same as that used for the labour force survey (described in full in *The Labour Force, Australia* (6203.0)) except that it excluded students boarding at school, some patients in hospitals and sanatoriums and inmates of gaols, reformatories, etc.

Definitions

4. *Persons with a post-school qualification* are those who had left school and who answered 'Yes' to the question: 'Since leaving school have you obtained a certificate, diploma, degree or any other qualification?'.

5. *Classification of post-school qualifications.* Respondents indicated which one of the following groups best described their highest qualification:

(a) *Degree:* a bachelor degree (including honours), a graduate or post-graduate diploma, masters degree, or a doctorate;

(b) *Trade qualifications or apprenticeship:* completion of an approved trade/technician apprenticeship or training course;

(c) *Certificate or diploma:* A post-secondary school certificate or diploma in secretarial or business studies, administration, teaching, nursing, etc.; or

(d) *Other:* completion of other post-secondary education, e.g. adult education, preparatory/bridging course, or hobby course.

6. *Classification of field of study.* Respondents with a degree; trade/apprenticeship; or certificate/diploma (i.e. (a), (b), or (c) in paragraph 5) indicated the main field of study for their highest qualification.

7. *Industry.* Industries referred to in this publication are classified according to the *Australian Standard Industrial Classification, 1983* (1201.0).

8. *Highest level of secondary school available* refers to the highest level of secondary schooling (or equivalent) offered by the education system at the time the respondent left school.

9. *Still at school.* Current school attendance was recorded only for persons aged fifteen to twenty years.

10. *The unemployment/population ratio* for any group is the number of unemployed persons expressed as a percentage of the civilian population in the same group.

11. Further definitions of labour force and demographic classifications appearing in this publication are given in *The Labour Force, Australia* (6203.0).

12. Unless otherwise stated, all characteristics referenced in this publication are as at the survey week.

Results of the survey

13. Due to differences in the method of estimation used in this supplementary survey and that used in the labour force survey, there are some small variations between estimates in this publication and those in the February issue of *The Labour Force, Australia* (6203.0).

14. The estimates in this publication refer to information collected in the survey month and, due to seasonal factors, may not be representative of other months of the year.

15. Results of similar surveys, the first conducted in February 1979, have been given in issues of *Labour Force Status and Educational Attainment, Australia* (6235.0).

Discontinuities in the series

16. Educational attainment of persons not in the labour force is not available for the February 1979, 1980 and 1981 surveys which only covered persons in the labour force.

17. The classification of post-school qualifications has been revised. Up to and including February 1986, the classification consisted of three categories: degree; trade, technical, or other certificate; and other. In February 1987, the second category was split into two separate categories: trade qualification or apprenticeship; and certificate or diploma. The new breakdown has resulted in a drop in the estimates for the 'degree' and 'other' categories. Care should be taken in comparing detailed post-school qualifications in February 1987 with data from previous years. It should be noted that the total number of persons with post-school qualifications has not been affected and time-series comparison, at this level, is still valid.

18. Classification of occupation changed from the *Classification and Classified List of Occupations* (CCLO) to the *Australian Standard Classification of Occupations* (ASCO) in 1986. For more details see the Technical notes.

Reliability of the estimates

19. Estimates in this publication are subject to two sources of error:

(a) *sampling error*: since the estimates are based on information obtained from occupants of a sample of dwellings, they may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical note; and

(b) *non-sampling error*: inaccuracies may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

Related publications

20. Other ABS publications which may be of interest include:

The Labour Force, Australia (6203.0) (monthly)

Labour Force Status and Educational Attainment, Australia, February 1986 (6235.0)

Labour Force Experience and Mobility, Victoria, February, 1986 (6206.2) (irregular)

Labour Force Status and Educational Attainment, Australia, February 1987, Summary (6240.0)

Transition from Education to Work, Australia, May 1987 Summary (6241.0)

The Labour Force, Victorian Regions, Victoria (6202.2) (quarterly)

21. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue and Publications Advice* are available from any ABS office.

Symbols and other usages

nec	not elsewhere classified
r	revised
..	not applicable
*	subject to sampling variability too high for most practical uses. See technical notes.

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

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SUMMARY OF FINDINGS

Main Features

The level of post-school education in Victoria is increasing. In February 1987, nearly half (48.6 per cent) of those aged 25 to 34 years held post-school qualifications compared with 28.4 per cent of persons aged 55 years and over.

Persons with post-school qualifications were less likely to be unemployed. Persons with post-school qualifications experienced an unemployment rate of 4.1 per cent, compared with 9.0 per cent for those without post-school qualifications.

The proportion of persons without post-school qualifications who attended the highest level of secondary school available has increased, from 7.6 per cent of those without post-school qualifications aged 55 years and over to 39.3 per cent of those aged 20 to 24 years.

The number of employed persons with degrees increased by 65.3 per cent from 1979 to 1987, and the number of employed persons with a trade, technical, or other certificate increased by 36.7 per cent, compared with a 14.3 per cent increase in the overall number of employed persons over the same period.

Over two-thirds (69.7 per cent) of females employed in community services had post-school qualifications. This accounted for 49.5 per cent of employed females with post-school qualifications. Nearly one-third (32.6 per cent) of post-school qualified males were tradespersons by occupation.

Comparison of Victoria with Australia

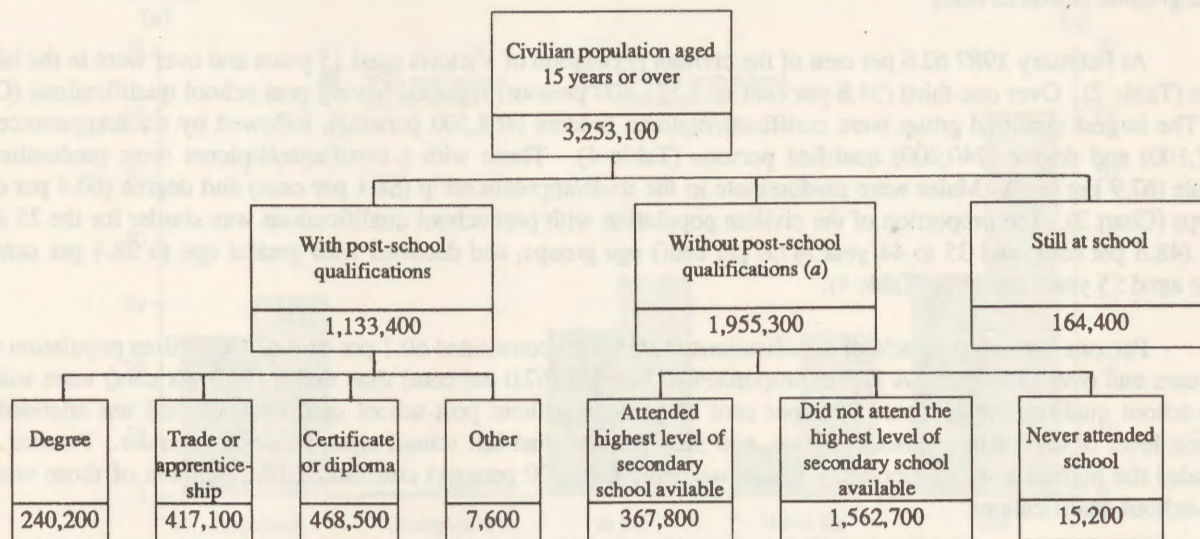
In February 1987 36.6 per cent of the civilian population aged 15 years and over in Australia reported having post-school qualifications, compared with 34.8 per cent in Victoria (Table 1). Among the employed in Australia, 46.3 per cent had post-school qualifications compared with 43.8 per cent of the employed in Victoria.

The Victorian unemployment rate (7.4 per cent) was considerably below that for Australia (9.1 per cent; Table 12). The lower unemployment rate was also reflected in a lower median duration of unemployment: 13.0 weeks in Victoria compared with 14.1 weeks for Australia (Table 13).

Civilian population

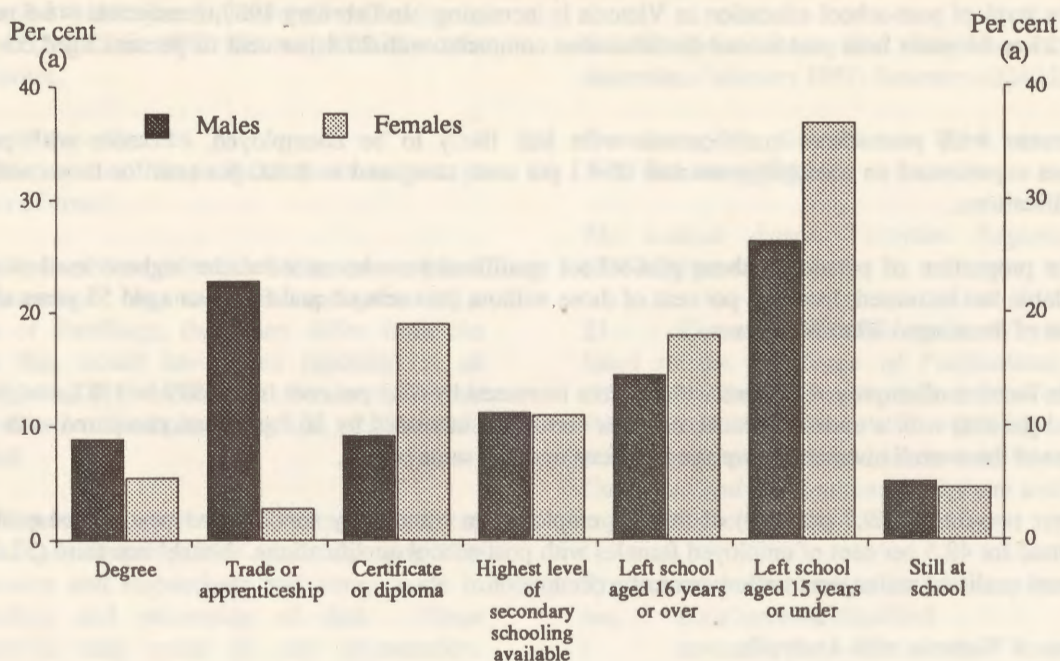
The estimated civilian population of Victoria aged 15 years and over increased 11.1 per cent from 1982 to 3,253,100 persons in 1987 (Table 2). During this period some substantial changes occurred in the educational standing

CHART 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER: DISTRIBUTION OF EDUCATIONAL QUALIFICATIONS, VICTORIA, FEBRUARY 1987



(a) Includes 9,600 persons whose educational qualifications were not determined.

CHART 2. CIVILIAN POPULATION AGED 15 YEARS AND OVER: EDUCATIONAL ATTAINMENT BY SEX, VICTORIA, FEBRUARY 1987



(a) Percentage of either male or female civilian population aged 15 years or more within each category.

of the population. In five years the proportion of the civilian population holding post-school qualifications rose 18.0 per cent, from 29.5 per cent in 1982 to 47.5 per cent in 1987.

The proportion of civilian population aged 15 years and over holding a degree rose from 5.7 per cent in 1982 to 8.1 per cent in 1986, and then apparently fell to 7.4 per cent (240,200 persons) in 1987. As outlined in the Explanatory notes (paragraph 17), the category trade, technical, or other certificate was changed in 1987. The apparent decrease in the number of persons with degrees from 1986 to 1987 is believed to be an effect of the improved survey methodology, and not a change in the actual population.

Persons with trade, technical, or other certificate qualifications rose from 23.3 per cent of the civilian population aged 15 years and over in 1982 to 27.2 per cent in 1987. As a proportion of the population, persons without post-school qualifications fell steadily, from 65.7 per cent in 1982 to 52.5 per cent in 1987.

Demographic characteristics

At February 1987 62.6 per cent of the civilian population of Victoria aged 15 years and over were in the labour force (Table 2). Over one-third (34.8 per cent or 1,133,400 persons) reported having post-school qualifications (Chart 1). The largest qualified group were certificate/diploma holders (468,500 persons), followed by trade/apprenticeship (417,100) and degree (240,200) qualified persons (Table 4). Those with a certificate/diploma were predominantly female (67.9 per cent). Males were predominate in the trade/apprenticeship (88.1 per cent) and degree (60.4 per cent) groups (Chart 2). The proportion of the civilian population with post-school qualifications was similar for the 25 to 34 year (48.6 per cent) and 35 to 44 year (47.6 per cent) age groups, and declined with greater age to 28.4 per cent for those aged 55 years and over (Table 4).

Persons without post-school qualifications (1,955,300) constituted 52.5 per cent of the civilian population aged 15 years and over (Table 3). A higher proportion of females (67.0 per cent) than males (53.0 per cent) were without post-school qualifications. Some 79.9 per cent of persons without post-school qualifications had not attended the highest level of secondary school available, and 52.6 per cent had left school aged 15 years or under. Persons who attended the highest level of secondary school available (367,800 persons) constituted 18.8 per cent of those without post-school qualifications.

In Victoria, 240,200 persons had degrees: 145,200 males and 95,000 females. The three largest fields of study for male degree holders were science, mathematics, computing, veterinary, and agricultural sciences (24.4 per cent of

males with degrees), administration, business studies, and commerce (18.0 per cent), and engineering and architecture (15.4 per cent; Table 6). The major fields of study for females were social science, arts, and humanities (28.9 per cent of females with degrees), education (25.4 per cent), and science, mathematics, computing, veterinary, and agricultural sciences (17.8 per cent). Those with degrees who studied administration, business studies, and commerce had the highest labour force participation rates: 90.5 per cent for males and 88.1 per cent for females. The average participation rates for degree holders of all categories were 87.0 per cent for males and 75.0 per cent for females.

Of 367,600 males with trade/apprenticeship qualifications, 27.3 per cent listed metal trade and 19.9 per cent building trade as their main field of study. The highest participation rate for male tradesmen was by those qualified in the electrical trade (91.2 per cent participation rate), compared with an average 80.0 per cent for trade/apprenticeship males generally. Far fewer females (49,500) reported trade/apprenticeship qualifications, and these had a 50.1 per cent participation rate.

There were 468,500 persons in Victoria with a post-school certificate or diploma, of whom 67.9 per cent were female. The fields of study most frequently reported by females were secretarial, typing, and data processing (31.4 per

CHART 3. MAIN FIELD OF QUALIFICATION FOR FEMALES AGED 15 YEARS AND OVER WITH A POST-SCHOOL CERTIFICATE OR DIPLOMA, VICTORIA, FEBRUARY, 1987

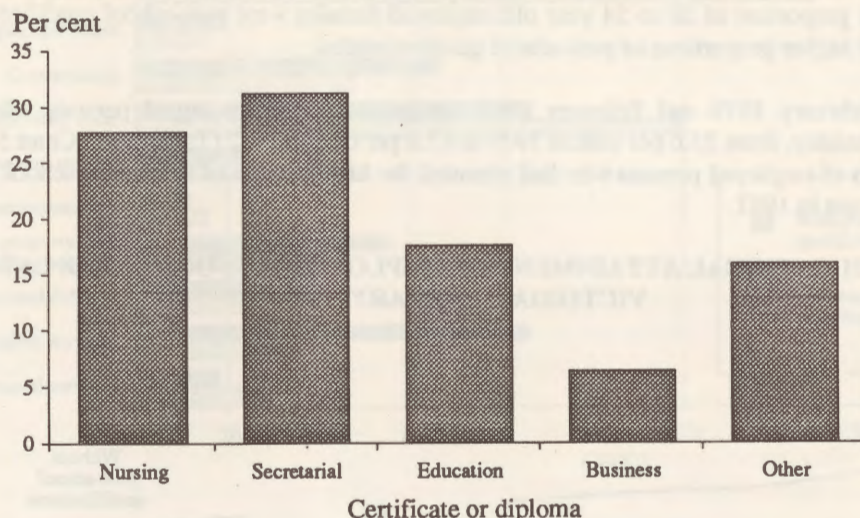
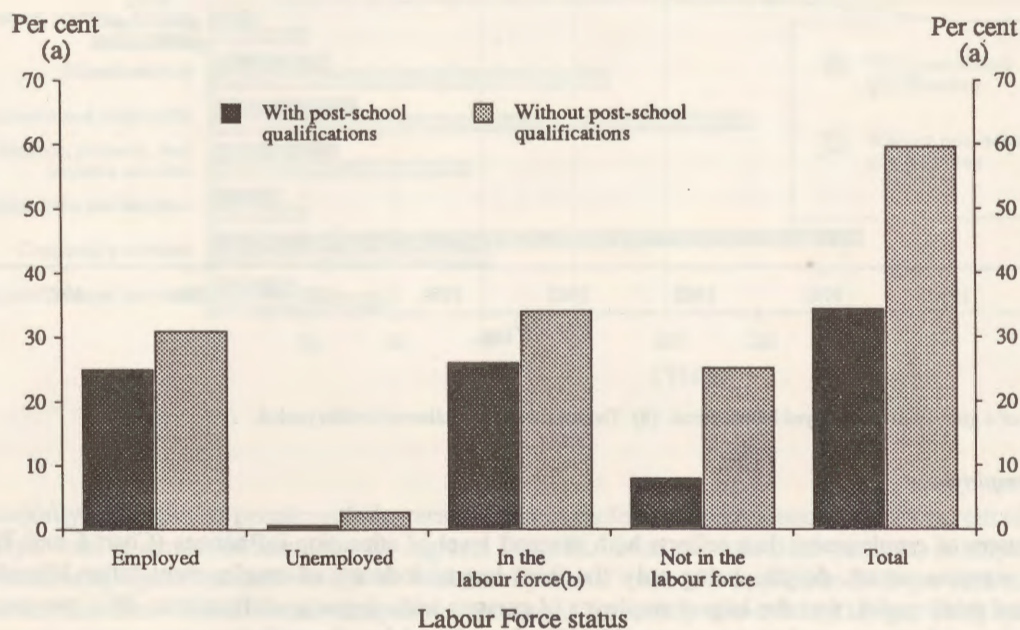


CHART 4. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 15 YEARS AND OVER BY EDUCATION STATUS, VICTORIA, FEBRUARY 1987



a) Percentage of the civilian population aged 15 years and over. (b) Comprises the employed and unemployed.

cent of females with a certificate/diploma), nursing (28.0 per cent), and education (17.8 per cent; Chart 3). The areas of study most frequently reported by males were business, commerce, and administration (28.0 per cent of males with a certificate/diploma) and engineering, transport, communication, and architecture (25.5 per cent). The average participation rate for all certificate/diploma holders was 88.9 per cent for males and 65.3 per cent for females.

The incidence of post-school qualification was much higher amongst the employed (43.8 per cent) than for either the unemployed (23.3 per cent) or those not in the labour force (22.4 per cent; Table 3 and Chart 4).

Employed persons

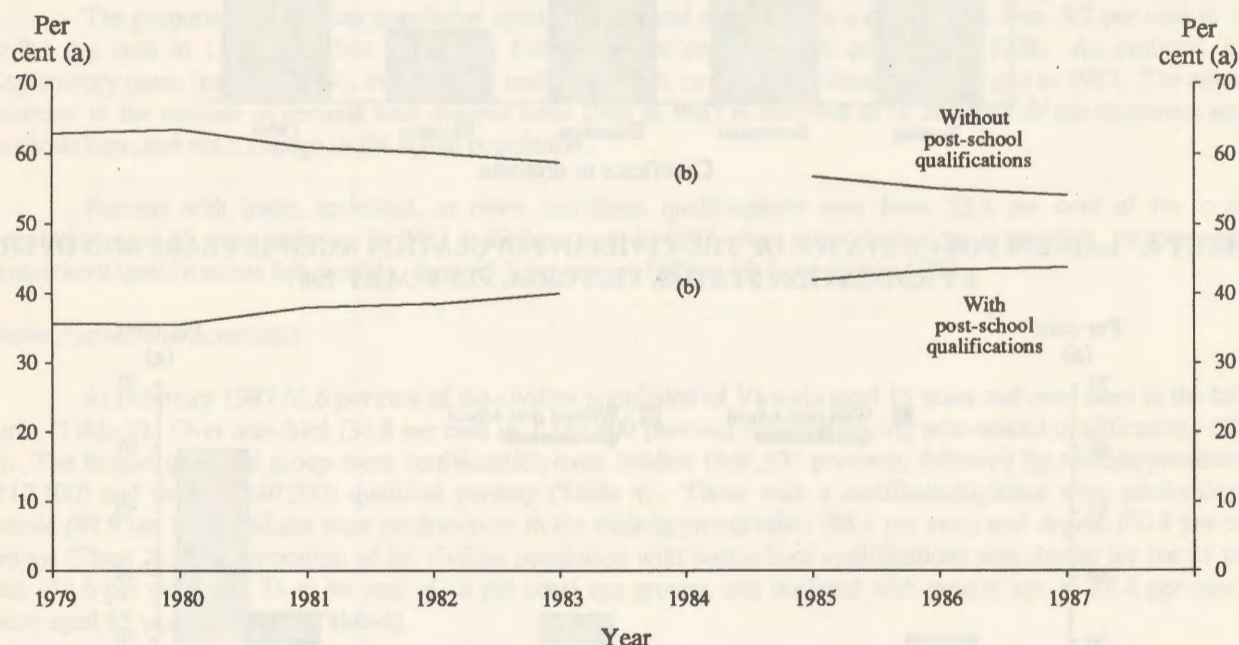
Demographic characteristics

In February 1987, 58.0 per cent (1,887,400 persons) of the civilian population aged 15 years and over were employed (Table 2). This comprised 71.3 per cent of males and 45.2 per cent of females (Table 3).

Post-school qualifications were reported by 47.3 per cent of employed males and 38.5 per cent of employed females (Table 9). More than half of employed 25 to 34 and 35 to 44 year old persons (54.0 and 52.7 per cent, respectively) had post-school qualifications, while less than half of those in other age groups were post-school qualified. A greater proportion of 20 to 24 year old employed females were post-school qualified than males, but all older age groups had higher proportions of post-school qualified males.

Between February 1979 and February 1987 the proportion of employed persons who held post-school qualifications rose steadily, from 35.6 per cent in 1979 to 43.8 per cent in 1987 (Table 2 and Chart 5). There was also a rise in the proportion of employed persons who had attended the highest level of secondary school, from 10.6 per cent in 1979 to 13.0 per cent in 1987.

CHART 5. EDUCATIONAL ATTAINMENT OF EMPLOYED PERSONS IN THE LABOUR FORCE, VICTORIA, FEBRUARY, 1979-1987



(a) Percentage of a given year's employed labour force. (b) The data were not collected for this period.

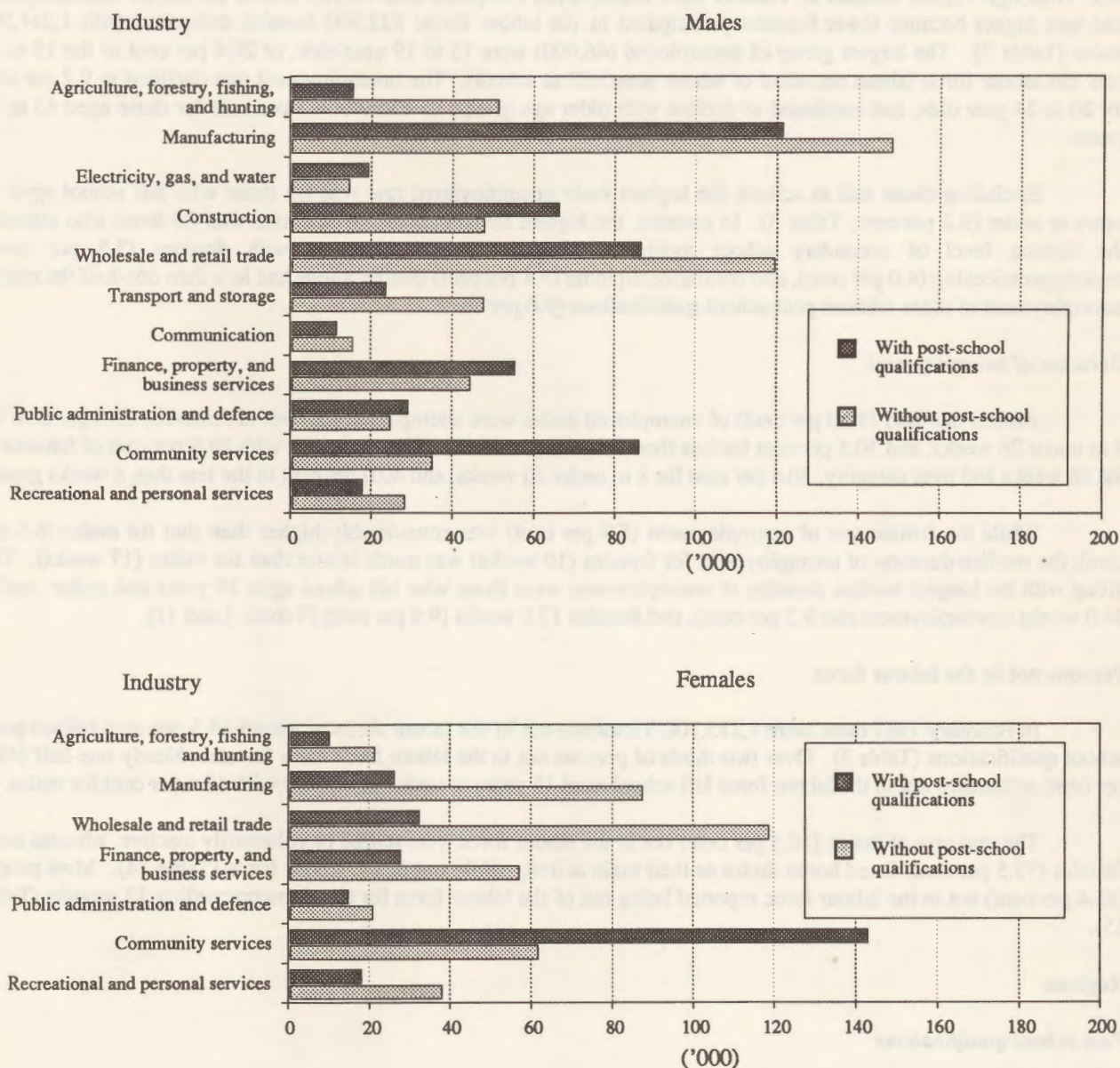
Industry of employment

Industry of employment data reflects both sex and level of education influences (Chart 6 and Table 7). The Community services sector, despite being only the third largest industry of employment (after Manufacturing and Wholesale and retail trade), was the largest employer of persons with degree qualifications: 38.1 per cent (46,900) of employed males with degrees and 61.4 per cent (41,400) of employed females with degrees.

Over two-thirds of employed males with trade/apprenticeship qualifications worked in three industries: Manufacturing (84,200 trade/apprenticeship males), Wholesale and retail (56,400), and Construction (52,700). The largest employer of females with trade/apprenticeship qualifications was the Recreation, personal, and other services sector (6,300 or 26.9 per cent of employed females with trade/apprenticeship qualifications).

Nearly one-fifth (19.5 per cent or 25,500) of employed males and over half (50.8 per cent or 99,400) of employed females with a certificate/diploma worked in the Community services sector. For employed persons without post-school qualifications, the largest employer of males was Manufacturing (148,300 or 25.5 per cent of employed males without post-school qualifications), and of females the Wholesale and retail trade (118,700 or 26.9 per cent).

CHART 6. EMPLOYED PERSONS AGED 15 YEARS AND OVER: INDUSTRY BY EDUCATIONAL ATTAINMENT BY SEX, VICTORIA, FEBRUARY 1987



Occupation

The majority of employed people with degrees worked in professional occupations (69.2 per cent of employed males and 66.2 per cent of employed females with degrees; Table 8). Over one-half (56.9 per cent) of employed males with trade/apprenticeship qualifications worked in Trade occupations, while this applied to 34.6 per cent of employed trade/apprenticeship females. Professional occupations accounted for nearly one-third (31.6 per cent) of employed males with a certificate/diploma, while the largest occupation group for employed females with a certificate/diploma was Clerical (30.8 per cent).

Employed persons without post-school qualifications who attended the highest level of secondary school available were predominantly employed as Clerks (30.1 per cent), and Salespersons and personal service workers (22.8 per cent). Labourers and related workers and Tradesmen accounted for 23.5 per cent and 18.8 per cent, respectively, of males without post-school qualifications. The occupations most frequently reported by females without post-school qualifications were Clerical (35.2 per cent of such females) and Salespersons and personal service workers (23.4 per cent).

Unemployed persons

Demographic characteristics

There were 150,000 Victorians unemployed at February 1987, or 7.4 per cent of the labour force (Tables 3 and 10). Although 73,300 females in Victoria were unemployed compared with 76,700 males, the female unemployment rate was higher because fewer females participated in the labour force: 822,900 females compared with 1,214,500 males (Table 3). The largest group of unemployed (46,000) were 15 to 19 year olds, or 20.4 per cent of the 15 to 19 year old labour force (about one-third of whom were still at school). The unemployment rate declined to 9.2 per cent for 20 to 24 year olds, and continued to decline with older age groups to a low of 4.3 per cent for those aged 45 to 54 years.

Excluding those still at school, the highest male unemployment rate was for those who left school aged 15 years or under (9.2 per cent; Table 3). In contrast, the highest female unemployment rate was for those who attended the highest level of secondary school available (10.6 per cent). Persons with degrees (3.5 per cent), trade/apprenticeship (4.0 per cent), and certificate/diploma (4.4 per cent) qualifications had less than one-half the rate of unemployment of those without post-school qualifications (9.0 per cent).

Duration of unemployment

Almost one-half (46.0 per cent) of unemployed males were unemployed for over six months, 23.5 per cent for 8 to under 26 weeks, and 30.5 per cent for less than 8 weeks (Table 11). This compares with 29.6 per cent of females in the 26 weeks and over category, 30.4 per cent for 8 to under 26 weeks, and 40.0 per cent in the less than 8 weeks group.

While the female rate of unemployment (8.9 per cent) was considerably higher than that for males (6.3 per cent), the median duration of unemployment for females (10 weeks) was much briefer than for males (17 weeks). The group with the longest median duration of unemployment were those who left school aged 15 years and under: males 34.0 weeks (unemployment rate 9.2 per cent), and females 17.0 weeks (9.6 per cent) (Tables 3 and 11).

Persons not in the labour force

In February 1987 there were 1,215,700 Victorians not in the labour force of whom 68.5 per cent had no post-school qualifications (Table 3). Over two-thirds of persons not in the labour force were female. Nearly one-half (49.8 per cent) of females not in the labour force left school aged 15 years or under, compared with 40.6 per cent for males.

The majority of males (56.5 per cent) not in the labour force were retired or voluntarily inactive, whereas most females (75.5 per cent) listed home duties as their main activity while out of the labour force (Table 14). Most people (85.4 per cent) not in the labour force reported being out of the labour force for all of the preceeding 12 months (Table 15).

Regions

Post-school qualifications

There were considerable regional differences in education level (Table 16). Outer Eastern Melbourne had the highest proportion of post-school qualified males (49.4 per cent of males), and Inner Eastern Melbourne the highest proportion of post-school qualified females (35.9 per cent of females). Inner Melbourne (16.6 per cent) had more than double the proportion of persons with a degree compared to the Victorian average (7.4 per cent). At least one-fifth of males in most regions were trade/apprenticeship qualified, the highest being 30.3 per cent of males in Mornington Peninsula. More than twice as many females (19.2 per cent of females in Victoria) held certificate/diplomas as males (9.4 per cent of males), with 25.1 per cent of Southern Melbourne region females holding a certificate/diploma.

Labour force participation and unemployment rates

The labour force participation and unemployment rates showed considerable regional differences (Table 17). The highest male participation rate was 80.6 per cent in Outer Eastern Melbourne, while the lowest participation rate was 71.8 per cent in North Western Victoria. The female participation rate ranged from 53.4 per cent in the Mornington Peninsula region to 41.6 per cent in South Western Victoria.

The male unemployment rate ranged from 4.0 per cent in Inner Eastern Melbourne to 10.2 per cent in Inner Melbourne, with a Victorian male average of 6.3 per cent. The female rate ranged from 6.5 per cent in North Eastern Melbourne to 14.3 per cent in South Western Victoria, with a Victorian female average of 8.9 per cent. Outer Eastern Melbourne had the highest male participation rate but the second lowest male unemployment rate (4.6 per cent). Conversely, South Western Victoria had the lowest female participation rate and the highest female unemployment rate (14.3 per cent).

TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER: EDUCATIONAL ATTAINMENT BY LABOUR FORCE STATUS, VICTORIA AND AUSTRALIA, FEBRUARY 1987
(⁰000)

Labour force status at February -		Educational attainment								
		With post-school qualifications					Without post-school qualifications			
		Degree	Trade or appren- ticeship	Certificate or diploma	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age (b)		Total (c)	Total (d)
							16 years or over	15 years or under		
PERSONS										
Employed	Vic.	190.6	306.1	326.3	826.7	245.1	351.1	416.0	1,021.7	1,887.4
	Aust.	687.3	1,217.9	1,309.0	3,239.6	887.4	1,064.6	1,660.4	3,639.6	6,998.2
Unemployed	Vic.	7.0	12.7	15.0	35.0	22.3	34.5	43.0	100.6	150.0
	Aust.	25.6	65.7	86.2	180.8	110.7	146.2	216.2	476.9	699.6
In the labour force	Vic.	197.6	318.7	341.3	861.7	267.4	385.5	459.1	1,122.3	2,037.4
	Aust.	712.9	1,283.6	1,395.2	3,420.4	998.1	1,210.9	1,876.6	4,116.5	7,697.8
Not in the labour force	Vic.	42.6	98.4	127.2	271.8	100.4	148.2	570.0	833.0	1,215.7
	Aust.	138.2	368.0	585.9	1,106.9	397.5	524.6	2,196.0	3,170.6	4,673.9
Civilian population	Vic.	240.2	417.1	468.5	1,133.4	367.8	533.7	1,029.0	1,955.3	3,253.1
	Aust.	851.1	1,651.6	1,981.1	4,527.3	1,395.6	1,735.5	4,072.6	7,287.2	12,371.7

(a) Includes persons with other post-school qualifications. (b) Excludes persons who never attended school. (c) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (d) Includes persons aged 15 to 20 years still at school.

TABLE 2. CIVILIAN POPULATION AGED 15 YEARS AND OVER: LABOUR FORCE STATUS BY EDUCATIONAL ATTAINMENT, VICTORIA, FEBRUARY 1979 TO FEBRUARY 1987 (a)
(^{'000})

(000)

Labour force status at February (b) -	Educational attainment								Total (g)
	With post-school qualifications				Without post-school qualifications				
					Did not attend highest level of secondary school and left at age (e)				
	Year	Degree (c)	Trade, technical, or other certificate (c)	Total (d)	Attended highest secondary level			Total (f)	
						16 years or over	15 years or under		
PERSONS									
Employed	1979	115.3	462.5	587.5	174.5	285.2	574.6	1,037.0	1,650.9
	1980	125.1	457.9	591.8	175.3	324.5	551.7	1,057.3	1,668.6
	1981	135.5	500.7	649.3	197.4	318.2	520.3	1,040.2	1,708.8
	1982	134.2	512.8	657.6	203.8	306.1	512.0	1,027.0	1,709.9
	1983	163.6	496.4	671.7	212.1	306.8	463.0	984.7	1,676.2
	1985	197.6	516.0	736.1	219.7	337.5	437.4	997.5	1,758.4
	1986	206.5	565.0	791.9	236.8	341.7	422.8	1,004.5	1,826.5
	1987	190.6	632.3	826.7	245.1	351.1	416.0	1,021.7	1,887.4
Unemployed	1979	*	18.6	23.8	15.4	22.6	49.6	88.1	117.6
	1980	*	19.0	25.4	14.0	29.1	37.1	80.2	111.0
	1981	5.1	18.2	23.8	14.0	28.6	39.2	81.8	113.1
	1982	*	19.3	24.7	19.4	35.5	35.0	90.1	121.7
	1983	6.9	30.2	39.3	24.4	41.7	61.4	127.7	173.1
	1985	7.5	22.7	32.4	28.9	36.8	42.0	107.9	150.0
	1986	8.6	17.2	30.2	28.6	34.3	40.7	103.7	145.7
	1987	7.0	27.7	35.0	22.3	34.5	43.0	100.6	150.0
In the labour force	1979	119.7	481.1	611.3	189.9	307.8	624.2	1,125.1	1,768.6
	1980	131.5	476.9	617.2	189.3	353.6	588.8	1,137.6	1,779.6
	1981	140.6	518.8	673.1	211.4	346.9	559.4	1,122.0	1,821.9
	1982	139.1	532.1	682.3	223.2	341.6	546.9	1,117.1	1,831.5
	1983	170.5	526.6	711.0	236.5	348.5	524.4	1,112.4	1,849.2
	1985	205.1	538.7	768.5	248.7	374.3	479.4	1,105.4	1,908.5
	1986	215.1	582.2	822.2	265.4	375.9	463.4	1,108.3	1,972.2
	1987	197.6	660.0	861.7	267.4	385.5	459.1	1,122.3	2,037.4
Not in the labour force	1982	27.9	148.9	182.2	97.8	143.7	554.6	808.0	1,096.5
	1983	29.8	168.0	203.5	108.0	130.3	557.4	808.2	1,124.8
	1985	38.7	170.4	216.3	103.8	156.5	581.0	855.7	1,187.7
	1986	43.8	193.5	247.8	112.1	153.7	583.6	862.9	1,220.9
	1987	42.6	225.6	271.8	100.4	148.2	570.0	833.0	1,215.7
Civilian Population	1982	167.0	681.0	864.5	321.1	485.3	1,101.6	1,925.2	2,928.1
	1983	200.3	694.6	914.5	344.4	478.8	1,081.8	1,920.5	2,974.0
	1985	243.8	709.1	984.8	352.5	530.8	1,060.4	1,961.1	3,096.1
	1986	258.9	775.6	1,070.0	377.5	529.7	1,047.0	1,971.2	3,193.1
	1987	240.2	885.6	1,133.4	367.8	533.7	1,029.0	1,955.3	3,253.1

(a) Data for the year ended February 1984 is not available. (b) See Explanatory notes paragraph 16 regarding discontinuities in the series. (c) Survey methodology changed in 1987. See Explanatory notes paragraph 17. (d) Includes persons with other post-school qualifications. (e) Excludes persons who never attended school. (f) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (g) Includes persons aged 15 to 20 years still at school.

TABLE 3. CIVILIAN POPULATION AGED 15 YEARS AND OVER: EDUCATIONAL ATTAINMENT BY LABOUR FORCE STATUS BY SEX, VICTORIA, FEBRUARY 1987
(^{'000})

Educational attainment	Employed			Unemp- loyed	In the labour force	Not in the labour force	Total	Unemp- loyment rate	Partici- pation rate
	Full- Time	Part- Time	Total						
MALES									
With post-school qualifications (a) -	518.5	19.8	538.3	17.3	555.7	109.9	665.6	3.1	83.5
Degree	117.2	6.0	123.2	*	126.3	18.9	145.2	*	87.0
Trade or apprenticeship	276.5	6.2	282.6	11.3	293.9	73.7	367.6	3.8	80.0
Certificate or diploma	123.1	7.7	130.8	*	133.7	16.7	150.4	*	88.9
Without post-school qualifications (b) -	546.4	34.1	580.5	52.8	633.3	211.3	844.6	8.3	75.0
Attended highest level of secondary school available	129.9	14.9	144.8	10.4	155.3	26.5	181.7	6.7	85.4
Did not attend highest level of secondary school available (c)	412.4	19.2	431.6	42.4	474.0	180.2	654.2	8.9	72.4
Left at age -									
16 years or over	181.0	9.0	190.0	17.8	207.7	26.0	233.7	8.6	88.9
15 years or under	231.4	10.2	241.6	24.6	266.2	154.3	420.5	9.2	63.3
Still at school (d)	*	17.7	18.9	6.6	25.5	59.3	84.8	25.9	30.1
Total	1,066.1	71.7	1,137.8	76.7	1,214.5	380.5	1,595.0	6.3	76.1
FEMALES									
With post-school qualifications (a) -	192.0	96.3	288.4	17.6	306.0	161.9	467.8	5.8	65.4
Degree	51.2	16.3	67.4	*	71.3	23.8	95.0	*	75.0
Trade or apprenticeship	13.9	9.6	23.4	*	24.8	24.7	49.5	*	50.1
Certificate or diploma	125.9	69.6	195.5	12.1	207.6	110.4	318.1	5.8	65.3
Without post-school qualifications (b) -	290.2	150.9	441.2	47.8	489.0	621.7	1,110.6	9.8	44.0
Attended highest level of secondary school available	71.4	28.9	100.3	11.8	112.1	73.9	186.0	10.6	60.3
Did not attend highest level of secondary school available (c)	214.6	120.9	335.5	35.1	370.7	537.9	908.5	9.5	40.8
Left at age -									
16 years or over	109.1	52.0	161.1	16.7	177.8	122.2	300.0	9.4	59.3
15 years or under	105.5	68.9	174.4	18.4	192.9	415.7	608.5	9.6	31.7
Still at school (d)	*	20.1	20.1	7.9	28.0	51.6	79.6	28.2	35.2
Total	482.3	267.3	749.6	73.3	822.9	835.1	1,658.1	8.9	49.6
PERSONS									
With post-school qualifications (a) -	710.6	116.1	826.7	35.0	861.7	271.8	1,133.4	4.1	76.0
Degree	168.4	22.2	190.6	7.0	197.6	42.6	240.2	3.5	82.3
Trade or apprenticeship	290.3	15.7	306.1	12.7	318.7	98.4	417.1	4.0	76.4
Certificate or diploma	248.9	77.3	326.3	15.0	341.3	127.2	468.5	4.4	72.9
Without post-school qualifications (b) -	836.7	185.0	1,021.7	100.6	1,122.3	833.0	1,955.3	9.0	57.4
Attended highest level of secondary school available	201.4	43.8	245.1	22.3	267.4	100.4	367.8	8.3	72.7
Did not attend highest level of secondary school available (c)	627.0	140.1	767.1	77.5	844.6	718.1	1,562.7	9.2	54.0
Left at age -									
16 years or over	290.1	61.0	351.1	34.5	385.5	148.2	533.7	8.9	72.2
15 years or under	336.9	79.2	416.0	43.0	459.1	570.0	1,029.0	9.4	44.6
Still at school (d)	*	37.8	39.0	14.5	53.5	110.9	164.4	27.1	32.5
Total	1,548.4	339.0	1,887.4	150.0	2,037.4	1,215.7	3,253.1	7.4	62.6

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Aged 15 to 20 only.

TABLE 4. CIVILIAN POPULATION AGED 15 YEARS AND OVER: EDUCATIONAL ATTAINMENT BY AGE AND SEX, VICTORIA, FEBRUARY 1987
(^{'000})

Educational attainment	Age group (years)						Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 and over	
MALES							
With post-school qualifications (a) -	*	53.2	185.7	171.0	103.1	149.7	665.6
Degree	*	11.6	52.1	40.1	17.1	24.1	145.2
Trade or apprenticeship	*	32.5	92.5	84.5	61.2	94.8	367.6
Certificate or diploma	*	9.2	40.5	45.5	24.8	29.9	150.4
Without post-school qualifications (b) -	98.2	124.1	152.1	128.4	110.2	231.6	844.6
Attended highest level of secondary school available	33.8	51.0	47.5	21.4	11.2	16.9	181.7
Did not attend highest level of secondary school available (c)	64.4	72.5	103.1	106.6	97.4	210.2	654.2
Left at age -							
16 years or over	43.8	51.8	55.5	39.2	20.4	23.0	233.7
15 years or under	20.7	20.7	47.6	67.5	76.9	187.1	420.5
Still at school (d)	83.8	*	*	*	*	*	84.8
Total	184.9	178.3	337.8	299.5	213.4	381.2	1,595.0
FEMALES							
With post-school qualifications (a) -	8.2	57.7	144.1	113.2	54.7	90.0	467.8
Degree	*	12.8	43.6	21.2	9.2	8.3	95.0
Trade or apprenticeship	*	*	7.3	13.4	8.1	15.3	49.5
Certificate or diploma	7.3	40.1	91.1	77.2	37.5	64.9	318.1
Without post-school qualifications (b) -	91.0	116.0	196.7	184.0	151.8	371.1	1,110.6
Attended highest level of secondary school available	37.9	43.3	43.9	21.2	10.9	28.8	186.0
Did not attend highest level of secondary school available (c)	52.8	72.1	151.0	160.8	137.7	334.1	908.5
Left at age -							
16 years or over	35.0	51.6	80.2	57.6	29.6	46.0	300.0
15 years or under	17.8	20.5	70.8	103.2	108.0	288.1	608.5
Still at school (d)	79.6	*	*	*	*	*	79.6
Total	178.8	173.7	340.7	297.2	206.5	461.1	1,658.1
PERSONS							
With post-school qualifications (a) -	11.1	111.0	329.7	284.2	157.8	239.6	1,133.4
Degree	*	24.4	95.7	61.3	26.2	32.4	240.2
Trade or apprenticeship	*	37.0	99.8	97.9	69.3	110.2	417.1
Certificate or diploma	7.9	49.3	131.6	122.7	62.3	94.8	468.5
Without post-school qualifications (b) -	189.2	240.1	348.8	312.5	262.0	602.7	1,955.3
Attended highest level of secondary school available	71.7	94.3	91.3	42.6	22.2	45.7	367.8
Did not attend highest level of secondary school available (c)	117.3	144.6	254.1	267.4	235.0	544.3	1,562.7
Left at age -							
16 years or over	78.8	103.4	135.7	96.8	50.1	69.0	533.7
15 years or under	38.5	41.2	118.4	170.6	185.0	475.3	1,029.0
Still at school (d)	163.4	*	*	*	*	*	164.4
Total	363.7	352.0	678.5	596.7	419.8	842.3	3,253.1

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Aged 15 to 20 only.

TABLE 5. CIVILIAN POPULATION AGED 15 YEARS AND OVER: FAMILY STATUS BY EDUCATIONAL ATTAINMENT BY SEX, VICTORIA, FEBRUARY 1987
(^{'000})

Educational attainment									
Family status	With post-school qualifications				Without post-school qualifications				
	Degree	Trade or apprenticeship	Certificate or diploma	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age (b)		Total (c)	Total (d)
						16 years or over	15 years or under		
MALES									
Member of a family (e) -	114.2	314.6	122.6	553.7	150.0	191.7	355.4	703.6	1,338.2
Husband -	99.5	265.7	107.9	475.3	68.5	107.7	293.2	474.7	950.0
With dependent children	60.9	146.8	69.2	277.9	40.7	66.2	127.5	236.2	514.0
Without dependent children	38.7	118.9	38.6	197.4	27.8	41.5	165.6	238.5	435.9
Not married family head	*	7.4	*	14.3	*	*	11.3	15.7	30.0
Other child of family head (f)	10.3	36.3	8.8	55.7	51.2	78.7	44.6	175.4	232.1
Not a member of a family	25.9	44.9	23.2	94.0	26.4	36.6	54.8	119.6	213.6
Living alone	13.3	27.0	14.5	54.8	9.1	17.9	39.7	68.2	123.0
Not living alone	12.6	17.9	8.6	39.2	17.3	18.7	15.1	51.4	90.6
Not family coded	5.1	8.2	*	17.9	5.4	5.4	10.3	21.4	43.2
Total	145.2	367.6	150.4	665.6	181.7	233.7	420.5	844.6	1,595.0
FEMALES									
Member of a family (e) -	73.1	40.9	260.3	378.6	153.8	256.4	497.2	920.4	1,376.5
Wife -	59.3	32.8	206.0	301.2	77.2	181.7	389.3	657.5	958.8
With dependent children	37.1	17.8	127.3	184.4	45.0	114.0	162.1	325.7	510.1
Without dependent children	22.2	15.0	78.7	116.8	32.3	67.7	227.2	331.8	448.6
Not married family head -	*	*	20.5	28.8	10.7	19.0	56.9	87.7	116.5
With dependent children	*	*	16.5	22.4	6.6	13.9	28.2	48.7	71.1
Without dependent children	*	*	*	6.4	*	5.0	28.7	39.0	45.4
Other child of family head (f)	5.4	*	30.3	39.2	41.9	49.7	24.7	116.2	155.5
Not a member of a family	18.7	7.1	48.1	74.5	27.1	35.6	93.2	158.4	232.9
Living alone	8.5	*	31.2	44.4	12.9	20.3	81.5	116.3	160.7
Not living alone	10.2	*	16.8	30.1	14.3	15.3	11.7	42.1	72.2
Not family coded	*	*	9.7	14.7	5.1	8.0	18.1	31.8	48.7
Total	95.0	49.5	318.1	467.8	186.0	300.0	608.5	1,110.6	1,658.1
PERSONS									
Member of a family (e) -	187.3	355.4	382.9	932.4	303.8	448.1	852.6	1,624.0	2,714.7
Husband or wife -	158.8	298.5	313.8	776.5	145.8	289.4	682.4	1,132.2	1,908.7
With dependent children	97.9	164.6	196.6	462.3	85.7	180.2	289.6	561.9	1,024.2
Without dependent children	60.9	133.9	117.3	314.2	60.1	109.2	392.8	570.3	884.5
Not married family head -	7.0	10.7	24.8	43.1	12.8	21.0	68.2	103.4	146.5
With dependent children	*	*	18.0	26.7	7.5	14.8	30.5	52.8	79.4
Without dependent children	*	6.6	6.9	16.4	5.3	6.2	37.6	50.6	67.0
Other child of family head (f)	15.7	39.5	39.1	94.9	93.1	128.3	69.3	291.6	387.5
Not a member of a family	44.6	52.0	71.3	168.5	53.5	72.2	147.9	278.0	446.5
Living alone	21.8	31.3	45.8	99.2	22.0	38.2	121.1	184.5	283.7
Not living alone	22.9	20.7	25.5	69.3	31.5	34.0	26.8	93.5	162.8
Not family coded	8.3	9.7	14.3	32.6	10.5	13.4	28.5	53.3	91.9
Total	240.2	417.1	468.5	1,133.4	367.8	533.7	1,029.0	1,955.3	3,253.1

(a) Includes persons with other post-school qualifications. (b) Excludes persons who never attended school. (c) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (d) Includes persons aged 15 to 20 years still at school. (e) Includes other relative of family head. (f) Excludes children 0-14 years, and includes those aged 15 years and over living as part of the family but who were not full-time students aged 15 to 24 years.

TABLE 6. CIVILIAN POPULATION AGED 15 YEARS AND OVER WITH POST-SCHOOL QUALIFICATIONS: MAIN FIELD OF STUDY BY AGE AND LABOUR FORCE STATUS BY SEX, VICTORIA, FEBRUARY 1987

Main field of study	Age group (years)					In the labour force		Total	Participation rate
	15 - 24	25 - 34	35 - 44	45 - 54	55 and over	Employed	Total		
	MALES								
	('000)								(per cent)
Degree -									
Administration, etc (a)	*	7.6	8.7	*	*	23.1	23.7	26.2	90.5
Law	*	*	*	*	*	7.6	7.6	8.5	89.3
Education	*	6.4	*	*	*	13.5	13.7	15.3	89.8
Medicine	*	*	*	*	*	12.5	12.8	14.6	87.6
Science (b)	*	15.7	7.8	*	*	29.2	30.1	35.5	84.8
Engineering (c)	*	6.8	5.4	*	*	19.1	19.4	22.3	87.3
Social science (d)	*	7.2	5.6	*	*	15.0	15.9	18.9	84.6
Total (e)	11.9	52.1	40.1	17.1	24.1	123.2	126.3	145.2	87.0
Trade or apprenticeship -									
Metal	9.7	22.1	23.5	15.8	29.4	75.9	79.6	100.5	79.2
Electrical	6.6	13.1	11.0	*	7.0	36.4	37.9	41.5	91.2
Building	5.9	14.9	16.0	13.6	22.9	52.4	53.7	73.3	73.3
Automotive, mechanical	6.6	17.2	15.6	11.2	10.0	50.2	51.8	60.6	85.4
Service, food, and drink	*	6.3	6.3	*	7.7	18.9	20.1	25.7	78.2
Wood and printing (f)	*	6.8	7.0	*	6.4	21.9	22.7	27.0	84.0
Other	*	12.1	5.2	8.0	11.4	26.9	28.2	39.0	72.3
Total	34.5	92.5	84.5	61.2	94.8	282.6	293.9	367.6	80.0
Certificate or diploma -									
Business (g)	*	5.5	12.4	7.9	12.3	34.5	35.1	42.1	83.3
Education and science (h)	*	9.9	11.7	*	*	29.0	29.0	32.2	90.0
Engineering, transport (i)	*	11.6	11.3	7.6	6.8	34.6	34.9	38.3	91.1
Other	*	13.5	10.0	*	6.4	32.7	34.7	37.8	91.8
Total	9.7	40.5	45.5	24.8	29.9	130.8	133.7	150.4	88.9
FEMALES									
Degree -									
Administration (a)	*	*	*	*	*	8.5	8.7	9.9	88.1
Education	*	11.1	6.0	*	*	16.8	17.8	24.1	74.2
Medicine	*	5.0	*	*	*	5.5	6.1	8.7	70.0
Science (b)	*	7.4	*	*	*	13.0	13.0	16.9	77.1
Social science (d)	*	12.2	7.6	*	*	18.2	19.9	27.5	72.2
Total (j)	12.8	43.6	21.2	9.2	8.3	67.4	71.3	95.0	75.0
Trade or apprenticeship -									
Total	5.4	7.3	13.4	8.1	15.3	23.4	24.8	49.5	50.1
Certificate or diploma -									
Business (g)	*	8.5	*	*	*	13.9	14.5	21.1	68.7
Secretarial (k)	22.4	23.4	25.2	9.8	19.1	56.1	59.5	99.9	59.5
Education	5.6	16.1	16.5	6.5	11.8	35.9	38.5	56.5	68.1
Nursing	9.5	26.7	21.0	12.6	19.5	57.5	60.4	89.2	67.7
Other (l)	8.5	16.4	9.7	6.6	10.1	32.1	34.7	51.3	67.7
Total	47.4	91.1	77.2	37.5	64.9	195.5	207.6	318.1	65.3

(a) Includes business studies and commerce. (b) Includes mathematics, computing, veterinary, and agricultural science. (c) Includes architecture. (d) Includes arts and humanities. (e) Includes 'other'. (f) Wood and furniture; printing and allied. (g) Includes commerce and administration. (h) Includes teacher training, computing, and agriculture. (i) Includes communication and architecture. (j) Includes law, engineering, architecture, and other. (k) Includes typing and data processing. (l) Includes other health and paramedical (15,300 females), social studies, arts, and crafts (16,100), and other categories.

TABLE 7. EMPLOYED PERSONS: INDUSTRY BY EDUCATIONAL ATTAINMENT BY SEX, VICTORIA, FEBRUARY 1987
(^{'000})

Educational attainment									
Industry	With post-school qualifications				Without post-school qualifications				
	Degree	Trade or apprenticeship	Certificate or diploma	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age (b)		Total (c)	Total (d)
						16 years or over	15 years or under		
MALES									
Agriculture and fishing (e)	*	9.5	*	15.4	5.6	15.4	29.7	51.3	70.4
Manufacturing	13.9	84.2	23.3	121.4	31.1	49.5	66.3	148.3	271.2
Electricity, gas, and water	*	12.6	*	19.3	*	5.7	6.7	14.7	33.9
Construction	*	52.7	9.4	66.4	7.2	14.4	25.9	47.8	114.8
Wholesale and retail trade	11.5	56.4	18.7	86.6	37.1	40.0	42.3	119.4	215.6
Transport and storage	*	15.2	5.6	23.7	10.3	14.3	22.8	47.6	71.3
Communication	*	7.3	*	11.6	*	*	5.8	15.5	27.1
Finance, property, and business services	27.1	7.2	21.0	55.3	18.3	15.9	9.7	44.4	100.6
Public admin. and defence	8.6	11.7	8.2	29.3	6.9	7.7	10.3	24.8	54.4
Community services	46.9	13.7	25.5	86.1	10.6	13.0	11.4	35.2	121.3
Recreation, personal, and other services	*	8.8	6.0	17.9	10.7	8.9	8.5	28.4	48.7
Total (f)	123.2	282.6	130.8	538.3	144.8	190.0	241.6	580.5	1,137.8
FEMALES									
Agriculture and fishing (e)	*	*	7.3	10.1	*	7.4	12.4	21.4	32.3
Manufacturing	*	*	18.4	26.4	11.7	25.4	49.0	87.5	115.1
Wholesale and retail trade	*	5.7	22.3	32.5	23.0	45.7	48.3	118.7	167.2
Finance, property, and business services	5.7	*	21.1	27.9	22.7	23.5	10.6	57.0	85.2
Public admin. and defence	*	*	9.0	14.8	6.6	6.6	6.8	20.8	35.6
Community services	41.4	*	99.4	142.9	15.8	24.9	20.1	61.7	204.9
Recreation, personal, and other services	*	6.3	8.4	18.0	8.9	13.2	15.6	38.0	57.3
Total (g)	67.4	23.4	195.5	288.4	100.3	161.1	174.4	441.2	749.6
PERSONS									
Agriculture and fishing (e)	*	11.3	11.0	25.5	7.2	22.8	42.1	72.8	102.7
Manufacturing	17.7	88.2	41.7	147.8	42.8	74.9	115.3	235.8	386.3
Electricity, gas, and water	*	12.9	6.1	20.9	*	7.7	6.7	18.9	39.8
Construction	5.8	53.3	11.9	70.9	10.2	18.7	30.8	60.0	131.5
Wholesale and retail trade	15.4	62.1	41.0	119.1	60.1	85.7	90.6	238.0	382.9
Transport and storage	*	16.4	10.0	30.4	13.3	19.9	26.6	60.1	90.5
Communication	*	7.3	*	13.2	6.7	7.2	8.3	22.5	35.7
Finance, property, and business services	32.8	7.8	42.1	83.2	40.9	39.4	20.2	101.5	185.8
Public admin. and defence	13.1	12.8	17.3	44.0	13.4	14.2	17.1	45.6	90.0
Community services	88.3	15.5	124.9	229.0	26.3	37.9	31.5	96.9	326.2
Recreation, personal, and other services	6.0	15.2	14.3	35.8	19.6	22.1	24.1	66.3	106.1
Total (f)	190.6	306.1	326.3	826.7	245.1	351.1	416.0	1,021.7	1,887.4

(a) Includes persons with other post-school qualifications. (b) Excludes persons who never attended school. (c) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (d) Includes persons aged 15 to 20 years still at school. (e) Includes forestry and hunting. (f) Includes mining workers. (g) Includes employees in the industries of mining, electricity, gas, and water, constructions, transport and storage, and communications.

TABLE 8. EMPLOYED PERSONS: OCCUPATION BY EDUCATIONAL ATTAINMENT BY SEX, VICTORIA, FEBRUARY 1987
(^{'000})

Educational attainment									
Occupation (e)	With post-school qualifications				Without post-school qualifications				
	Degree	Trade or apprenticeship	Certificate or diploma	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age (b)		Total (c)	Total (d)
						16 years or over	15 years or under		
MALES									
Managers and administrators	18.8	33.4	24.7	77.7	15.1	22.1	37.2	75.4	153.1
Professionals	85.2	7.9	41.3	134.4	8.1	5.2	*	15.5	150.2
Para-professionals	*	12.7	17.7	33.3	7.4	5.6	5.5	18.5	52.4
Tradespersons	*	160.7	11.5	175.7	18.1	46.1	44.3	109.0	285.0
Clerks	5.3	5.3	9.4	20.3	29.4	22.9	14.3	67.4	88.3
Salespersons and personal service workers	5.7	9.2	13.4	28.3	27.4	17.7	16.9	62.0	95.8
Plant and machine operators and drivers	*	23.2	5.9	30.0	13.2	28.6	53.9	96.3	126.6
Labourers and related workers	*	30.1	6.9	38.6	26.1	41.8	67.5	136.3	186.4
Total	123.2	282.6	130.8	538.3	144.8	190.0	241.6	580.5	1,137.8
FEMALES									
Managers and administrators	*	*	10.7	17.3	*	11.0	18.1	32.0	49.3
Professionals	44.6	*	35.8	80.7	*	*	*	8.0	88.7
Para-professionals	*	*	40.3	45.4	*	*	*	9.2	54.7
Tradespersons	*	8.1	*	12.7	*	8.6	7.2	19.7	32.4
Clerks	7.3	*	60.3	71.9	44.4	66.0	42.4	155.4	227.6
Salespersons and personal service workers	*	*	31.8	41.1	28.5	40.9	33.2	103.2	161.5
Plant and machine operators and drivers	*	*	*	*	*	8.5	22.1	34.8	38.3
Labourers and related workers	*	*	11.7	16.1	8.7	20.9	48.5	78.9	97.1
Total	67.4	23.4	195.5	288.4	100.3	161.1	174.4	441.2	749.6
PERSONS									
Managers and administrators	23.7	35.2	35.4	94.9	17.6	33.2	55.4	107.4	202.4
Professionals	129.8	7.9	77.1	215.1	12.6	7.1	*	23.6	238.9
Para-professionals	7.5	13.3	58.0	78.8	12.1	8.8	6.9	27.8	107.1
Tradespersons	*	168.8	15.3	188.4	21.3	54.7	51.5	128.7	317.4
Clerks	12.6	9.1	69.7	92.2	73.8	88.9	56.7	222.8	315.9
Salespersons and personal service workers	10.4	13.6	45.2	69.5	55.9	58.6	50.1	165.2	257.3
Plant and machine operators and drivers	*	24.6	7.0	33.0	16.9	37.1	76.0	131.1	164.9
Labourers and related workers	*	33.6	18.6	54.7	34.8	62.7	115.9	215.2	283.5
Total	190.6	306.1	326.3	826.7	245.1	351.1	416.0	1,021.7	1,887.4

(a) Includes persons with other post-school qualifications. (b) Excludes persons who never attended school. (c) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (d) Includes persons aged 15 to 20 years still at school. (e) See Explanatory notes regarding changes in series of occupational classification.

TABLE 9. EMPLOYED PERSONS: EDUCATIONAL ATTAINMENT BY AGE AND SEX, VICTORIA, FEBRUARY 1987

Educational attainment	Age group (years)						55 and over	Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54			
MALES								
			('000)					(per cent)
With post-school qualifications (a) -	*	45.7	172.7	160.8	95.5	60.7	538.3	47.3
Degree or equivalent	*	8.7	48.1	38.5	16.2	11.3	123.2	10.8
Trade or apprenticeship	*	29.8	86.2	77.0	55.3	32.4	282.6	24.8
Certificate or diploma	*	7.2	37.8	44.5	23.9	16.8	130.8	11.5
Without post-school qualifications (b) -	73.2	104.5	134.5	111.9	84.6	71.8	580.5	51.0
Attended highest level of secondary school available	23.1	42.2	43.3	20.2	9.5	6.6	144.8	12.7
Did not attend highest level of secondary school available (c)	50.1	61.8	90.0	91.3	73.7	64.7	431.6	37.9
Left at age -								
16 years or over	35.1	45.2	51.5	32.9	16.1	9.1	190.0	16.7
15 years or under	14.9	16.5	38.5	58.5	57.6	55.6	241.6	21.2
Still at school (d)	18.9	*	*	*	*	*	18.9	1.7
Total	94.9	150.2	307.3	272.8	180.0	132.5	1,137.8	100.0
FEMALES								
With post-school qualifications (a) -	6.9	47.9	100.5	78.0	37.2	17.8	288.4	38.5
Degree or equivalent	*	9.5	34.6	13.1	8.3	*	67.4	9.0
Trade or apprenticeship	*	*	*	8.2	5.4	*	23.4	3.1
Certificate or diploma	6.0	34.3	60.8	56.4	23.5	14.5	195.5	26.1
Without post-school qualifications (b) -	57.3	80.3	98.4	102.2	67.2	35.7	441.2	58.9
Attended highest level of secondary school available	21.7	30.8	25.5	12.0	5.0	5.3	100.3	13.4
Did not attend highest level of secondary school available (c)	35.4	49.3	72.0	88.9	60.4	29.6	335.5	44.8
Left at age -								
16 years or over	25.2	37.6	41.1	33.2	16.9	7.2	161.1	21.5
15 years or under	10.2	11.7	30.9	55.8	43.5	22.3	174.4	23.3
Still at school (d)	20.1	*	*	*	*	*	20.1	2.7
Total	84.3	128.2	198.9	180.2	104.4	53.5	749.6	100.0
PERSONS								
With post-school qualifications (a) -	9.8	93.5	273.3	238.8	132.7	78.5	826.7	43.8
Degree or equivalent	*	18.2	82.7	51.6	24.5	13.3	190.6	10.1
Trade or apprenticeship	*	33.6	90.4	85.2	60.7	33.2	306.1	16.2
Certificate or diploma	6.6	41.5	98.7	100.9	47.4	31.3	326.3	17.3
Without post-school qualifications (b) -	130.5	184.9	232.9	214.1	151.7	107.5	1,021.7	54.1
Attended highest level of secondary school available	44.8	73.0	68.8	32.2	14.5	11.9	245.1	13.0
Did not attend highest level of secondary school available (c)	85.5	111.0	162.0	180.3	134.1	94.3	767.1	40.6
Left at age -								
16 years or over	60.3	82.8	92.6	66.0	33.0	16.3	351.1	18.6
15 years or under	25.1	28.2	69.4	114.2	101.1	77.9	416.0	22.0
Still at school (d)	39.0	*	*	*	*	*	39.0	2.1
Total	179.3	278.4	506.2	453.0	284.4	186.1	1,887.4	100.0

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Aged 15 to 20 years only.

TABLE 10. UNEMPLOYED PERSONS: EDUCATIONAL ATTAINMENT BY AGE BY NUMBER, UNEMPLOYMENT RATE AND UNEMPLOYMENT/POPULATION RATIO, VICTORIA, FEBRUARY 1987

	Age group (years)						
Educational attainment	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 and over	Total
UNEMPLOYED PERSONS ('000)							
With post-school qualifications	*	7.7	12.3	7.0	*	*	35.0
Without post-school qualifications (a) -	30.2	20.5	19.6	14.7	9.3	6.3	100.6
Attended highest level of secondary school available	8.9	5.9	*	*	*	*	22.3
Did not attend highest level of secondary school available (b)	21.3	14.3	14.6	13.0	8.4	5.9	77.5
Left at age -							
16 years or over	12.6	8.8	6.3	*	*	*	34.5
15 years or under	8.8	5.5	8.3	8.3	7.1	5.0	43.0
Still at school (c)	14.5	*	*	*	*	*	14.5
Total	46.0	28.2	31.9	21.8	12.9	9.3	150.0
UNEMPLOYMENT RATE (per cent)							
With post-school qualifications	*	7.7	4.3	2.9	*	*	4.1
Without post-school qualifications (a) -	18.8	10.0	7.7	6.4	5.8	5.6	9.0
Attended highest level of secondary school available	16.6	7.4	*	*	*	*	8.3
Did not attend highest level of secondary school available (b)	20.0	11.4	8.3	6.7	5.9	5.8	9.2
Left at age -							
16 years or over	17.2	9.6	6.4	*	*	*	8.9
15 years or under	25.9	16.4	10.7	6.8	6.6	6.0	9.4
Still at school (c)	27.1	*	*	*	*	*	27.1
Total	20.4	9.2	5.9	4.6	4.3	4.8	7.4
UNEMPLOYMENT/POPULATION RATIO (per cent) (d)							
With post-school qualifications	*	7.0	3.7	2.5	*	*	3.1
Without post-school qualifications (a) -	16.0	8.5	5.6	4.7	3.5	1.0	5.1
Attended highest level of secondary school available	12.4	6.2	*	*	*	*	6.1
Did not attend highest level of secondary school available (b)	18.2	9.9	5.7	4.9	3.6	1.1	5.0
Left at age -							
16 years or over	15.9	8.5	4.6	*	*	*	6.5
15 years or under	22.8	13.4	7.0	4.8	3.9	1.1	4.2
Still at school (c)	8.9	*	*	*	*	*	8.9
Total	12.6	8.0	4.7	3.6	3.1	1.1	4.6

(a) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (b) Excludes persons who never attended school. (c) Aged 15 to 20 years only. (d) The unemployed as a ratio of the civilian population (including those still at school) of the same age and education level.

TABLE 11. UNEMPLOYED PERSONS: EDUCATIONAL ATTAINMENT BY DURATION OF CURRENT PERIOD OF UNEMPLOYMENT BY SEX, VICTORIA, FEBRUARY 1987

Educational attainment	Duration of current period of unemployment				Average (mean) duration	Median duration
	Under 8 weeks	8 and under 26 weeks	26 weeks and over	Total		
MALES						
		('000)			(weeks)	
With post-school qualifications (a) -	5.8	*	7.1	17.3	45.3	16.0
Degree or equivalent	*	*	*	*	*	*
Trade or apprenticeship	*	*	*	11.3	55.4	14.0
Certificate or diploma	*	*	*	*	*	*
Without post-school qualifications (b) -	15.2	11.6	26.0	52.8	57.9	24.0
Attended highest level of secondary school available	*	*	*	10.4	33.1	10.0
Did not attend highest level of secondary school available (c)	11.4	7.6	23.4	42.4	64.0	28.0
Left at age -						
16 years or over	*	*	9.3	17.8	46.2	26.1
15 years or under	6.5	*	14.1	24.6	76.7	34.0
Still at school (d)	*	*	*	6.6	23.9	11.0
Total	23.4	18.0	35.3	76.7	52.1	17.1
FEMALES						
With post-school qualifications (a) -	8.7	6.0	*	17.6	16.9	8.0
Degree or equivalent	*	*	*	*	*	*
Trade or apprenticeship	*	*	*	*	*	*
Certificate or diploma	7.2	*	*	12.1	14.4	6.0
Without post-school qualifications (b) -	17.3	13.1	17.4	47.8	30.9	10.1
Attended highest level of secondary school available	*	*	*	11.8	16.5	10.0
Did not attend highest level of secondary school available (c)	12.6	8.1	14.4	35.1	35.5	13.1
Left at age -						
16 years or over	7.0	*	5.9	16.7	30.6	8.1
15 years or under	5.6	*	8.5	18.4	40.0	17.0
Still at school (d)	*	*	*	7.9	13.3	8.0
Total	29.3	22.3	21.7	73.3	25.6	10.0
PERSONS						
With post-school qualifications (a) -	14.5	10.5	10.0	35.0	31.0	11.0
Degree or equivalent	*	*	*	7.0	20.6	8.0
Trade or apprenticeship	*	*	*	12.7	50.7	14.0
Certificate or diploma	7.8	*	*	15.0	19.7	7.0
Without post-school qualifications (b) -	32.4	24.8	43.4	100.6	45.0	15.0
Attended highest level of secondary school available	8.2	8.8	5.3	22.3	24.2	10.0
Did not attend highest level of secondary school available (c)	24.0	15.7	37.8	77.5	51.1	20.0
Left at age -						
16 years or over	11.9	7.4	15.2	34.5	38.6	16.1
15 years or under	12.1	8.3	22.6	43.0	61.0	26.1
Still at school (d)	5.8	5.1	*	14.5	18.1	8.1
Total	52.8	40.3	57.0	150.0	39.2	13.0

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Aged 15 to 20 years only.

TABLE 12. EDUCATIONAL ATTAINMENT BY UNEMPLOYMENT RATE BY SEX, VICTORIA AND AUSTRALIA, FEBRUARY 1987
(per cent)

Educational attainment	Males		Females		Persons	
	Victoria	Australia	Victoria	Australia	Victoria	Australia
With post-school qualifications (a) -	3.1	4.5	5.8	6.8	4.1	5.3
Degree	*	3.1	*	4.6	3.5	3.6
Trade or apprenticeship	3.8	5.0	*	6.1	4.0	5.1
Certificate or diploma	*	4.2	5.8	7.3	4.4	6.2
Without post-school qualifications (b) -	8.3	11.8	9.8	11.3	9.0	11.6
Attended highest level of secondary school available	6.7	10.6	10.6	11.8	8.3	11.1
Did not attend highest level of secondary school available (c)	8.9	12.2	9.5	11.1	9.2	11.7
Total (d)	6.3	8.5	8.9	9.9	7.4	9.1

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Includes persons aged 15 to 20 years still at school.

TABLE 13. EDUCATIONAL ATTAINMENT BY AVERAGE AND MEDIAN DURATION OF UNEMPLOYMENT BY SEX, VICTORIA AND AUSTRALIA, FEBRUARY 1987

Educational attainment	Median duration of unemployment		Average duration of unemployment	
	Victoria	Australia	Victoria	Australia
MALES				
			<i>Weeks</i>	
With post-school qualifications (a) -	16.0	17.1	45.3	53.2
Degree	*	13.0	*	50.0
Trade or apprenticeship	14.0	17.1	55.4	56.5
Certificate or diploma	*	26.0	*	47.1
Without post-school qualifications (b) -	24.0	24.1	57.9	60.4
Attended highest level of secondary school available	10.0	11.1	33.1	35.6
Did not attend highest level of secondary school available (c)	28.0	26.1	64.0	66.7
Total (d)	17.1	20.0	52.1	56.7
FEMALES				
With post-school qualifications (a) -	8.0	8.1	16.9	23.2
Degree	*	11.0	*	19.9
Trade or apprenticeship	*	11.1	*	33.2
Certificate or diploma	6.0	8.0	14.4	23.2
Without post-school qualifications (b) -	10.1	13.1	30.9	39.8
Attended highest level of secondary school available	10.0	11.0	16.5	25.6
Did not attend highest level of secondary school available (c)	13.1	16.0	35.5	44.7
Total (d)	10.0	10.1	25.6	33.2
PERSONS				
With post-school qualifications (a) -	11.0	12.0	31.0	39.4
Degree	8.1	11.1	20.6	36.9
Trade or apprenticeship	14.0	15.0	50.7	54.5
Certificate or diploma	7.0	10.0	19.7	29.3
Without post-school qualifications (b) -	15.0	18.1	45.0	51.9
Attended highest level of secondary school available	10.0	11.0	24.2	31.1
Did not attend highest level of secondary school available (c)	20.0	24.1	51.1	57.9
Total (d)	13.0	14.1	39.2	46.5

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Includes persons aged 15 to 20 years still at school.

TABLE 14. PERSONS NOT IN THE LABOUR FORCE: EDUCATIONAL ATTAINMENT BY MAIN ACTIVITY WHILE OUT OF THE LABOUR FORCE BY SEX, VICTORIA, FEBRUARY 1987
(^{'000})

Educational attainment	Main activity while out of the labour force							Total
	Home duties	Studied or went to school, technical, university	Retired or voluntarily inactive	Own illness, injury	Own disability or handicap	Worked in unpaid voluntary job	Other (a)	
MALES								
With post-school qualifications	*	*	77.8	10.2	*	*	10.0	109.9
Without post-school qualifications (b) -	9.4	14.7	137.0	24.5	9.3	*	14.4	211.3
Attended highest level of secondary school available	*	11.4	9.5	*	*	*	*	26.5
Did not attend highest level of secondary school available (c)	9.1	*	123.8	22.7	8.3	*	11.5	180.2
Total (d)	13.5	75.4	214.8	34.7	10.8	*	26.8	380.5
FEMALES								
With post-school qualifications	128.5	*	13.5	*	*	5.0	8.7	161.9
Without post-school qualifications (b) -	501.7	20.4	57.4	15.0	5.6	6.4	15.2	621.7
Attended highest level of secondary school available	50.2	16.2	*	*	*	*	*	73.9
Did not attend highest level of secondary school available (c)	445.4	*	52.9	12.9	*	5.5	12.3	537.9
Total (d)	630.5	74.2	70.9	17.9	5.6	11.4	24.8	835.1
PERSONS								
With post-school qualifications	132.6	7.0	91.3	13.1	*	7.5	18.7	271.8
Without post-school qualifications (b) -	511.1	35.2	194.4	39.5	14.9	8.4	29.6	833.0
Attended highest level of secondary school available	50.5	27.6	11.1	*	*	*	5.5	100.4
Did not attend highest level of secondary school available (c)	454.5	7.5	176.7	35.6	13.0	7.0	23.8	718.1
Total (d)	644.0	149.6	285.7	52.6	16.4	15.9	51.6	1,215.7

(a) Includes persons on unpaid leave, persons looking after ill/disabled person, persons who travelled, moved house or on holiday, persons whose activity was not determined, and other activities. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Includes persons aged 15 to 20 years still at school.

TABLE 15. PERSONS NOT IN THE LABOUR FORCE: EDUCATIONAL ATTAINMENT BY MAIN ACTIVITY WHILE OUT OF THE LABOUR FORCE BY WHETHER IN THE LABOUR FORCE IN THE LAST TWELVE MONTHS, VICTORIA, FEBRUARY 1987
(⁰⁰⁰)

Educational attainment	Main activity while out of the labour force							Total
	Home duties	Studied or went to school, technical, university	Retired or voluntarily inactive	Own illness, injury	Own disability or handicap	Worked in unpaid voluntary job	Other (a)	
IN THE LABOUR FORCE LAST YEAR								
With post-school qualifications	26.0	*	10.6	*	*	*	16.6	62.2
Without post-school qualifications (b) -	42.0	14.8	10.8	6.5	*	*	22.6	97.6
Attended highest level of secondary school available	5.9	11.8	*	*	*	*	*	23.7
Did not attend highest level of secondary school available (c)	36.1	*	9.9	6.2	*	*	17.5	73.6
Total (d)	68.3	33.8	21.4	10.2	*	*	42.1	177.5
NOT IN THE LABOUR FORCE IN THE LAST TWELVE MONTHS								
With post-school qualifications (e) -	106.6	*	80.7	9.5	*	6.6	*	209.6
Degree or equivalent	10.9	*	10.3	*	*	*	*	27.4
Trade or apprenticeship	20.5	*	52.6	6.6	*	*	*	82.9
Certificate or diploma	72.5	*	17.1	*	*	*	*	96.1
Without post-school qualifications (b) -	469.1	20.3	183.6	33.0	14.5	7.8	7.0	735.4
Attended highest level of secondary school available	44.6	15.8	10.2	*	*	*	*	76.6
Did not attend highest level of secondary school available (c)	418.4	*	166.8	29.4	12.7	6.4	6.4	644.5
Left at age -								
16 years or over	93.8	*	18.4	*	*	*	*	123.4
15 years or under	324.6	*	148.5	24.9	10.8	6.1	5.5	521.1
Total (d)	575.7	115.8	264.3	42.4	16.1	14.4	9.5	1,038.1
TOTAL								
With post-school qualifications (e) -	132.6	7.0	91.3	13.1	*	7.5	18.7	271.8
Degree or equivalent	16.5	*	12.2	*	*	*	5.8	42.6
Trade or apprenticeships	22.6	*	57.8	9.4	*	*	5.2	98.4
Certificate or diploma	90.9	*	20.8	*	*	*	7.5	127.2
Without post-school qualifications (b) -	511.1	35.2	194.4	39.5	14.9	8.4	29.6	833.0
Attended highest level of secondary school available	50.5	27.6	11.1	*	*	*	5.5	100.4
Did not attend highest level of secondary school available (c)	454.5	7.5	176.7	35.6	13.0	7.0	23.8	718.1
Left at age -								
16 years or over	107.0	6.5	20.7	6.6	*	*	*	148.2
15 years or under	347.5	*	156.0	29.0	10.8	6.4	19.2	570.0
Total (d)	644.0	149.6	285.7	52.6	16.4	15.9	51.6	1,215.7

(a) Includes persons on unpaid leave, persons looking after ill/disabled persons, travelled, moved house, holiday, activity not determined, and other activities. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Excludes persons who never attended school. (d) Includes persons aged 15 to 20 years still at school. (e) Includes persons with other post-school qualifications.

TABLE 16. CIVILIAN POPULATION AGED 15 YEARS AND OVER: LABOUR FORCE REGIONS BY EDUCATIONAL ATTAINMENT BY SEX, VICTORIA, FEBRUARY 1987

Labour force region	Educational attainment						Total	
	With post-school qualifications (a)	Degree	Trade or apprenticeship	Certifi- cate or diploma	Without post-school qualifi- cations(b)	Still at school (c)		
MALES								
			(per cent)					('000)
Melbourne Statistical Division -	43.2	10.7	22.6	9.8	51.6	5.2	100.0	1,135.3
Western Melbourne	34.9	3.9	24.5	6.2	58.2	7.0	100.0	223.4
Inner Melbourne	43.9	19.5	15.1	9.3	52.5	*	100.0	121.7
North-Eastern Melbourne	39.5	9.4	22.0	8.1	54.9	5.6	100.0	158.7
Inner-Eastern Melbourne	49.0	17.2	17.1	14.3	44.0	7.0	100.0	203.2
Southern Melbourne	46.9	14.3	20.2	12.4	49.6	*	100.0	134.1
Outer-Eastern Melbourne	49.4	10.1	27.6	11.7	47.4	*	100.0	111.1
Mornington Peninsula	43.3	4.8	30.3	8.1	52.5	4.2	100.0	183.1
Rest of Victoria -	38.1	5.2	24.3	8.5	56.4	5.5	100.0	459.7
South-Western Victoria	42.8	6.8	24.6	11.1	55.3	*	100.0	113.8
North-Western Victoria	34.4	*	23.4	6.4	56.7	8.8	100.0	107.0
Northern Victoria	35.2	5.0	23.6	6.5	60.0	4.9	100.0	141.6
Eastern Victoria	40.9	*	25.8	10.6	51.9	7.1	100.0	97.3
Total	41.7	9.1	23.0	9.4	53.0	5.3	100.0	1,595.0
FEMALES								
Melbourne Statistical Division -	29.7	6.7	2.9	19.8	65.5	4.8	100.0	1,191.5
Western Melbourne	23.9	2.2	4.0	17.0	70.5	5.6	100.0	230.3
Inner Melbourne	34.3	14.0	*	16.8	62.8	*	100.0	132.8
North-Eastern Melbourne	26.8	6.0	3.5	17.4	69.8	3.4	100.0	150.5
Inner-Eastern Melbourne	35.9	10.2	2.4	23.2	58.7	5.4	100.0	213.6
Southern Melbourne	35.1	8.3	*	25.1	60.7	4.2	100.0	153.3
Outer-Eastern Melbourne	27.5	4.4	*	19.9	66.6	5.9	100.0	116.8
Mornington Peninsula	26.1	3.7	2.9	19.1	68.7	5.2	100.0	194.3
Rest of Victoria -	24.3	3.3	3.2	17.6	70.8	4.9	100.0	466.6
South-Western Victoria	27.3	*	*	19.8	66.6	6.0	100.0	120.9
North-Western Victoria	23.6	*	*	18.0	71.4	5.0	100.0	101.2
Northern Victoria	24.0	*	3.8	17.7	70.7	5.3	100.0	149.2
Eastern Victoria	21.9	*	*	14.4	75.5	*	100.0	95.3
Total	28.2	5.7	3.0	19.2	67.0	4.8	100.0	1,658.1
PERSONS								
Melbourne Statistical Division -	36.3	8.6	12.5	14.9	58.7	5.0	100.0	2,326.8
Western Melbourne	29.3	3.1	14.1	11.7	64.4	6.3	100.0	453.6
Inner Melbourne	38.9	16.6	8.8	13.2	57.8	3.3	100.0	254.4
North-Eastern Melbourne	33.3	7.7	13.0	12.6	62.1	4.6	100.0	309.2
Inner-Eastern Melbourne	42.3	13.6	9.6	18.8	51.5	6.2	100.0	416.8
Southern Melbourne	40.6	11.1	10.3	19.2	55.5	3.9	100.0	287.4
Outer-Eastern Melbourne	38.1	7.2	14.7	15.9	57.2	4.6	100.0	227.9
Mornington Peninsula	34.5	4.2	16.2	13.7	60.9	4.7	100.0	377.4
Rest of Victoria -	31.2	4.2	13.7	13.1	63.6	5.2	100.0	926.3
South-Western Victoria	34.8	5.4	13.7	15.6	61.1	4.0	100.0	234.7
North-Western Victoria	29.1	3.1	13.7	12.1	63.9	7.0	100.0	208.2
Northern Victoria	29.4	3.7	13.5	12.2	65.5	5.1	100.0	290.9
Eastern Victoria	31.5	4.7	13.9	12.5	63.6	4.9	100.0	192.7
Total	34.8	7.4	12.8	14.4	60.1	5.1	100.0	3,253.1

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school, and those whose qualifications were not determined. Excludes persons aged 15 to 20 years still at school. (c) Aged 15 to 20 years only.

TABLE 17. CIVILIAN POPULATION AGED 15 YEARS AND OVER: LABOUR FORCE REGION BY LABOUR FORCE STATUS BY SEX, VICTORIA, FEBRUARY 1987

Labour force region	Employed		Total (b)	Unemp- loyed	In the labour force	Not in the labour force	Total (b)	Partici- pation rate	Unemp- loyment rate
	With post- school qualifi- cations	Without post- school qualifi- cations (a)							
MALES									
				('000)				(per cent)	
Melbourne Statistical Division	-399.3	406.0	815.9	55.8	871.7	263.6	1,135.3	76.8	6.4
Western Melbourne	62.5	96.0	160.1	13.8	174.0	49.4	223.4	77.9	7.9
Inner Melbourne	42.8	38.3	82.1	9.3	91.4	30.2	121.7	75.2	10.2
North-Eastern Melbourne	54.1	57.6	114.1	8.9	123.0	35.8	158.7	77.5	7.2
Inner-Eastern Melbourne	78.9	64.3	145.9	6.2	152.0	51.2	203.2	74.8	4.0
Southern Melbourne	51.3	42.1	93.9	*	98.7	35.4	134.1	73.6	4.9
Outer-Eastern Melbourne	46.2	39.0	85.4	*	89.5	21.5	111.1	80.6	4.6
Mornington Peninsula	63.7	68.8	134.4	8.7	143.1	40.0	183.1	78.1	6.1
Rest of Victoria -	139.0	174.6	321.9	20.9	342.8	117.0	459.7	74.6	6.1
South-Western Victoria	37.9	42.7	81.8	*	86.7	27.1	113.8	76.2	5.6
North-Western Victoria	28.8	40.4	72.0	*	76.8	30.1	107.0	71.8	6.4
Northern Victoria	38.6	56.2	97.2	6.7	103.9	37.8	141.6	73.3	6.4
Eastern Victoria	33.7	35.3	70.8	*	75.4	21.9	97.3	77.5	6.0
Total	538.3	580.5	1,137.8	76.7	1,214.5	380.5	1,595.0	76.1	6.3
FEMALES									
Melbourne Statistical Division	-222.7	317.7	555.1	49.1	604.2	587.3	1,191.5	50.7	8.1
Western Melbourne	35.2	70.1	108.5	8.3	116.8	113.5	230.3	50.7	7.1
Inner Melbourne	30.3	31.5	62.0	6.9	68.9	63.9	132.8	51.9	9.9
North-Eastern Melbourne	25.6	44.5	71.4	*	76.4	74.1	150.5	50.7	6.5
Inner-Eastern Melbourne	47.4	50.4	100.5	7.8	108.3	105.2	213.6	50.7	7.2
Southern Melbourne	29.2	33.2	64.8	6.7	71.6	81.7	153.3	46.7	9.4
Outer-Eastern Melbourne	21.0	32.0	54.6	*	58.5	58.3	116.8	50.1	6.7
Mornington Peninsula	33.9	55.9	93.3	10.5	103.7	90.6	194.3	53.4	10.1
Rest of Victoria -	65.6	123.4	194.5	24.2	218.8	247.8	466.6	46.9	11.1
South-Western Victoria	15.9	25.2	43.1	7.2	50.3	70.6	120.9	41.6	14.3
North-Western Victoria	16.0	27.2	43.6	*	47.4	53.8	101.2	46.8	7.9
Northern Victoria	22.0	42.0	65.9	9.1	75.0	74.3	149.2	50.2	12.1
Eastern Victoria	11.7	29.1	42.0	*	46.2	49.1	95.3	48.5	9.2
Total	288.4	441.2	749.6	73.3	822.9	835.1	1,658.1	49.6	8.9
PERSONS									
Melbourne Statistical Division	-622.1	723.7	1,371.0	104.9	1,475.9	850.9	2,326.8	63.4	7.1
Western Melbourne	97.7	166.2	268.6	22.2	290.8	162.9	453.6	64.1	7.6
Inner Melbourne	73.1	69.7	144.1	16.2	160.3	94.1	254.4	63.0	10.1
North-Eastern Melbourne	79.7	102.1	185.5	13.8	199.3	109.9	309.2	64.5	6.9
Inner-Eastern Melbourne	126.3	114.7	246.3	14.0	260.3	156.4	416.8	62.5	5.4
Southern Melbourne	80.5	75.3	158.7	11.6	170.3	117.1	287.4	59.3	6.8
Outer-Eastern Melbourne	67.2	71.0	140.0	8.0	148.1	79.8	227.9	65.0	5.4
Mornington Peninsula	97.7	124.7	227.6	19.1	246.8	130.7	377.4	65.4	7.8
Rest of Victoria -	204.6	298.0	516.4	45.2	561.5	364.8	926.3	60.6	8.0
South-Western Victoria	53.8	67.9	124.9	12.0	136.9	97.7	234.7	58.4	8.8
North-Western Victoria	44.9	67.5	115.6	8.6	124.2	84.0	208.2	59.7	7.0
Northern Victoria	60.5	98.2	163.1	15.7	178.8	112.0	290.9	61.5	8.8
Eastern Victoria	45.4	64.4	112.8	8.8	121.6	71.1	192.7	63.1	7.2
Total	826.7	1,021.7	1,887.4	150.0	2,037.4	1,215.7	3,253.1	62.6	7.4

(a) Excludes persons aged 15 to 20 years still at school. (b) Includes those still at school.

TECHNICAL NOTES

Reliability of the estimates

1. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

2. A table of standard errors for general application is given below. A Victorian population estimate of 5,000 persons has a standard error of 1,250 persons, or relative standard error of 25 per cent. A population estimate below 5,000 persons is replaced in the relevant table with an asterisk, as a relative standard error in excess of 25 per cent is felt to be too high for most statistical purposes. The 1,250 persons standard error for an estimate of 5,000 persons means there are two chances in three that the true population is between 3,750 persons and 6,250 persons. Relative standard error decreases as the population estimate increases.

3. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents. Inaccuracies of this kind are referred to as the non-sampling error and they may occur in any enumeration, whether it be a full count or only a sample.

Estimation procedure

4. The estimates are derived from the population survey by use of a ratio estimation procedure which ensures that the survey estimates conform to an independently estimated distribution of the population for Melbourne and the remainder of Victoria by age and sex, rather than to the corresponding distribution within the sample itself.

Introduction of ASCO occupation groups

5. Classification of occupation according to the *Australian Standard Classification of Occupations* (ASCO 1986) was introduced in the August 1986 Labour Force survey, replacing the *Classification and Classified List of Occupations* (CCLO), used in previous surveys. The main difference between these classifications is that ASCO occupations are classified on the basis of the level and specialisation of skill required for the satisfactory performance of primary tasks. For more detailed explanation of ASCO see appendix to *The Labour Force, Australia, August 1986* (6203.0). A comparative table of the old and new classifications is shown on the next page.

STANDARD ERRORS OF ESTIMATES, VICTORIA AND AUSTRALIA

		Size of estimate						
	4,000	5,000	6,000	7,000	10,000	20,000	50,000	100,000
Victoria	..	1,250	1,350	1,450	1,700	2,250	3,300	4,300
Australia	1,050	1,150	1,250	1,350	1,600	2,250	3,400	4,550

		Size of estimate						
		200,000	300,000	500,000	1,000,000	2,000,000	10,000,000	
Victoria		5,500	6,300	7,500	9,300	11,400	..	
Australia		6,100	7,100	8,700	11,200	14,200	23,500	

TIME SERIES CHANGE IN OCCUPATION CLASSIFICATIONS: MAJOR AND MINOR GROUPS

February, 1986: CCLO Classifications

Occupation group (a)

PROFESSIONAL, TECHNICAL AND RELATED WORKERS

Architects, engineers and surveyors, professional
Chemists, physicists, geologists and other physical scientists
Biologists, veterinarians, agronomists and related scientists
Medical practitioners and dentists
Nurses, including probationers or trainees
Professional medical workers, n.e.c.
Teachers
Clergy and related members of religious orders
Law professionals
Artists, entertainers, writers and related workers
Draftsmen and technicians, n.e.c.
Other professional, technical and related workers

ADMINISTRATIVE, EXECUTIVE AND MANAGERIAL

Administrative and executive officials, government, n.e.c.
Employers, workers on own account, directors, managers, n.e.c.

CLERICAL

Book-keepers and cashiers
Stenographers and typists
Other clerical workers

SALES

Insurance, real estate salesmen, auctioneers and valuers
Commercial travellers and manufacturers agents
Proprietors and shopkeepers, workers on own account, n.e.c.
and retail and wholesale trade; salesmen, shop assistants etc.

FARMERS, FISHERMEN, TIMBER-GETTERS, ETC.

Farmers and farm managers
Farm workers, including farm foremen
Fishermen and related workers
Timber-getters and other forestry workers

MINERS, QUARRYMEN AND RELATED WORKERS

Miners, mineral prospectors and quarrymen
Mineral treaters

TRANSPORT AND COMMUNICATION

Deck and engine room hands, ship and boatmen, not services
Aircraft pilots, navigators and flight engineers, not services
Drivers and firemen, rail transport
Drivers, road transport
Guards and conductors, railway
Inspectors, supervisors, traffic controllers and despatchers, transport
Telephone, telegraph and related telecommunication operators
Postmasters, postmen and messengers
Workers in transport and communication n.e.c.

TRADESMEN, PRODUCTION-PROCESS WORKERS AND LABOURERS, N.E.C.

Spinners, weavers, knitters, dyers and related workers
Tailors, cutters, furriers and related workers
Leather cutters, lasters, sewers (except gloves and garments) and related workers
Fumacemen, rollers, drawers, moulders and related metal making and treating workers
Precision instrument makers, watchmakers, jewellers and related workers
Machine toolmakers, metal machinists, mechanics, plumbers and related metal workers
Electricians and related electrical and electronic workers
Metal workers, metal and electrical production-process workers, n.e.c.
Carpenters, woodworking machinists, cabinetmakers and related workers
Painters and decorators
Bricklayers, plasterers and construction workers, n.e.c.
Compositors, printing machinists, engravers, bookbinders and related workers
Potters, kilnmen, glass and clay farmers and related workers
Millers, bakers, butchers, brewers and related food and drink workers
Chemical, sugar and paper production-process workers
Tobacco preparers and tobacco product makers
Paper products, rubber, plastic and production-process workers, n.e.c.
Packers, wrappers, labellers
Stationary engine, excavating and lifting equipment operators
Storemen and freight handlers
Labourers, n.e.c.

SERVICE, SPORT AND RECREATION WORKERS

Fire brigade, police and other protective service workers
Housekeepers, cooks, maids and related workers
Waiters, bartenders
Caretakers, cleaners, buildings
Barbers, hairdressers and beauticians
Launderers, dry cleaners and pressers
Athletes, sportsmen and related workers
Photographers and camera operators
Service, sport, recreation workers, n.e.c.

TOTAL

(a) Some minor occupation groups are not listed separately.

February, 1987: ASCO Classifications

Occupation major and minor group

MANAGERS AND ADMINISTRATORS

Legislators and government appointed officials
General managers
Specialist managers
Farmers and farm managers
Managing supervisors (sales and service)
Managing supervisors (other business)

PROFESSIONALS

Natural scientists
Building professionals and engineers
Health diagnosis and treatment practitioners
School teachers
Other teachers and instructors
Social professionals
Business professionals
Artists and related professionals
Miscellaneous professionals

PARA-PROFESSIONALS

Medical and science technical officers and technicians
Engineering and building associates and technicians
Air and sea transport technical workers
Registered nurses
Police
Miscellaneous para-professionals

TRADESPERSONS

Metal fitting and machining tradespersons
Other metal tradespersons
Electrical and electronics tradespersons
Building tradespersons
Printing tradespersons
Vehicle tradespersons
Food tradespersons
Amenity horticultural tradespersons
Miscellaneous tradespersons

CLERKS

Stenographers and typists
Data processing and business machine operators
Numerical clerks
Filing, sorting and copying clerks
Material recording and despatching clerks
Receptionists, telephonists and messengers
Miscellaneous clerks

SALESPERSONS AND PERSONAL SERVICE WORKERS

Investment, insurance and real estate salespersons
Sales representatives
Sales assistants
Tellers, cashiers and ticket salespersons
Miscellaneous salespersons
Personal service workers

PLANT AND MACHINE OPERATORS, AND DRIVERS

Road and rail transport drivers
Mobile plant operators (except transport)
Stationary plant operators
Machine operators

LABOURERS AND RELATED WORKERS

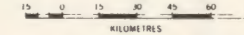
Trades assistants and factor hands
Agricultural labourers and related workers
Cleaners
Construction and mining labourers
Miscellaneous labourers and related workers

TOTAL

VICTORIA

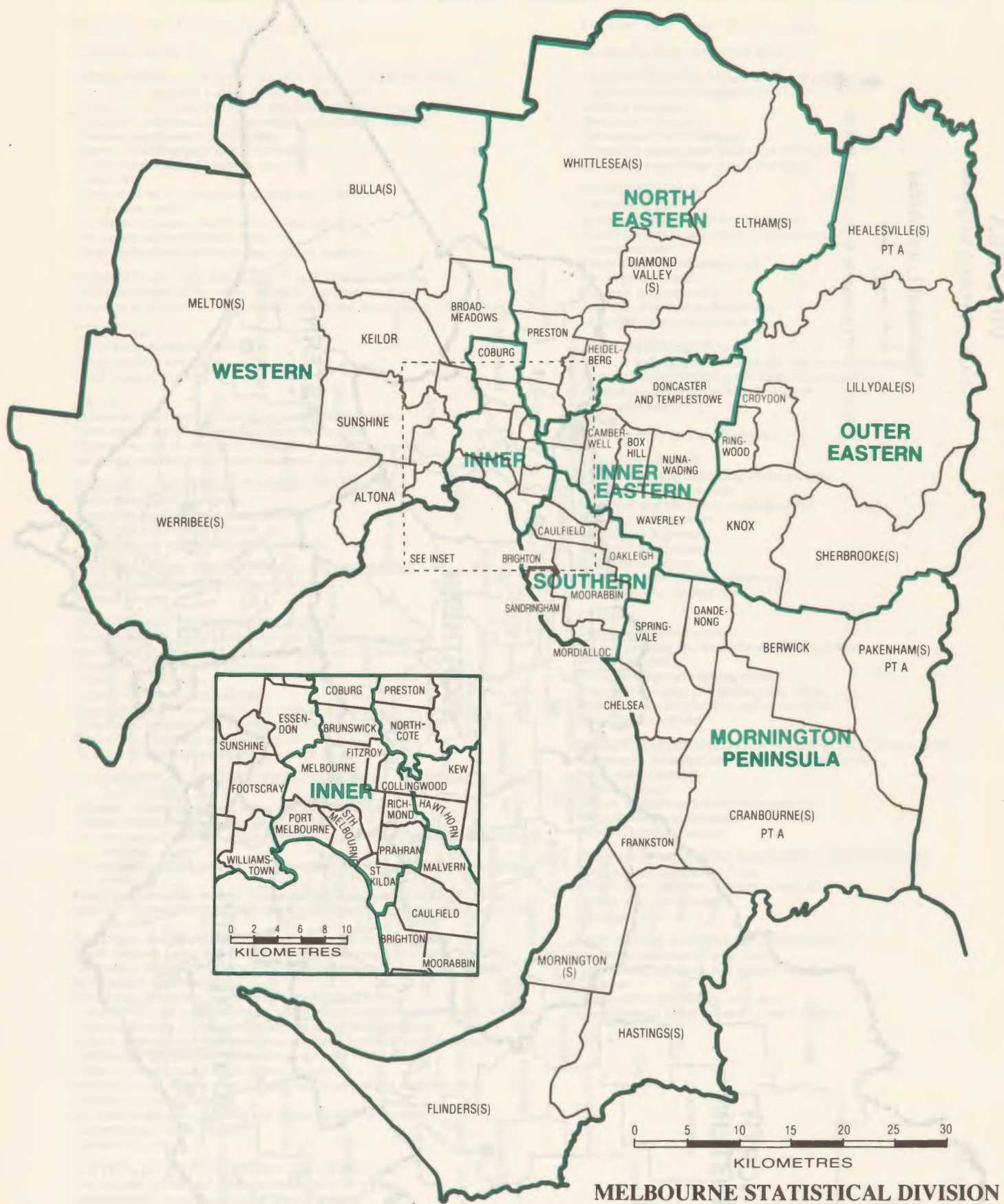
LABOUR FORCE REGIONS

Statistical Local Areas



City (C), Town (T), Borough (B), Rural City (RC), Shire (S)





MELBOURNE STATISTICAL DIVISION
Statistical Local Areas
LABOUR FORCE REGIONS



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MELBOURNE STATISTICAL DIVISION
 Statistical Local Areas
 LABOUR FORCE REGIONS

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